

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS; SHAIL COME:

Syngenta Seeds, Inc.

PLUCIES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THIS PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE HT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE URPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN, GARDEN

'STAYTÒN'

In Jestimonn Interest, I have hereunto set my hand and caused the seal of the Plant Unriety Protection Office to be affixed at the City of Washington, D.C. this ninth day of April, in the year two thousand and seven.

Commissioner Plant Variety Protection Office Agricultural Marketing Service

REPRODUCE LOCALLY. Include forth number and da	не оп ан гергооч	CUOTIS	~			Turni Approved - Caribatio, Coor-Coor	
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE			t	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.			
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)			â	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).			
1, NAME OF OWNER			2.	TEMPORARY DESIGNATION OR EXPERIMENTAL NAME	1	RIETY NAME	
Syngenta Seeds, Inc.					Stay	ton	
4. ADDRESS (Street and No., or R.F.D. No., City,	State, and ZIP Co.	de, and Country)	5.	TELEPHONE (include area code)		FOR OFFICIAL USE ONLY	
600 N. Armstrong Place				08) 322-7272 FAX (include aree code)		00600051	
Boise, ID 83704			- 1	208) 327-9319		G DATE	
7. IF THE OWNER NAMED IS NOT A "PERSON", ORGANIZATION (corporation, pertnership, essection)		8. IF INCORPORATED, GIVE STATE OF INCORPORATION		DATE OF INCORPORATION		CEMBER 29, 2005	
Corporation		DE		February 25, 1975		CENTULICETICS	
10. NAME AND ADDRESS OF OWNER REPRESE	NTATIVE(S) TO S	L SERVE IN THIS APPLICATION. (Fir	st perso	n listed will receive all papers)	E	FILING AND EXAMINATION FEES:	
	Briggs Highwi PA I	ay 20-26 D 83687			S KECE-VE	\$ 4,382.00 DATE 12 129 105 CERTIFICATION FEE \$ 768.00 DATE 3/06/07	
MAG 2/22/07						3/00/07	
11. TELEPHONE (Include area code)	12. FAX (Includ	•		13. E-MAIL			
(208) 327-7246 465-8522		319 467 - 4559		4		Kim. brigg & D. Synguta. C	
14. CROP KIND (Common Name)	16. FAMILY N	AME (Botanical)		18. DOES THE VARIETY CONT	AIN ANY	TRANSGENES? (OPTIONAL)	
Bean, Garden	Fabaceae			YES NO	CCICNET	USDA-APHIS REFERENCE NUMBER FOR THE	
15. GENUS AND SPECIES NAME OF CROP 17. IS THE VARIETY A FIRST GENERATION HYBE Phaseolus vulgaris L. 18. Yes 19. NO			RID?	APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERICALIZATION.			
 CHECK APPROPRIATE BOX FOR EACH ATTA (Follow instructions on reverse) 	CHMENT SUBMI	ΠED				EED OF THIS VARIETY BE SOLD AS A CLASS 83(a) of the Plant Variety Protection Act)	
a.	of the Variety	-		YES (If "yes", answer items 21 and 22 below) INO (If "no", go to item 23)			
				21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO			
b. Exhibit B. Statement of Distinctness				NUMBER OF CLASSES?			
c. Exhibit C. Objective Description of Vari	_						
d. Exhibit D. Additional Description of the e. Exhibit E. Statement of the Basis of the				IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?			
f. Statement that a Voucher Sample (4,00 will be deposited and maintained in an	approved public	d seeds or, for tuber propagated var	rieties,	YES NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.			
repository) 25 Seed SC g. Filing and Examination Fee (\$4,382), m	•	reasurer of the United					
States" (Mail to the Plant Variety Protect				FOUNDATION REGISTERED CERTIFIED			
23. HAS THE VARIETY (INCLUDING ANY HARVES FROM THIS VARIETY BEEN SOLD, DISPOSED OTHER COUNTRIES?	TED MATERIAL) OF, TRANSFER	OR A HYBRID PRODUCED RED, OR USED IN THE U. S. OR		(If additional explanation is necessary, please use the space indicated on the reverse.) 24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?			
YES NO				TYES 7 NO			
IF YES, YOU MUST PROVIDE THE DATE OF F FOR EACH COUNTRY AND THE CIRCUMSTAI	RST SALE, DISF NCES. (Please us	POSITION, TRANSFER, OR USE se space indicated on reverse.)		IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon reque a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.				vill be replenished upon request in action of the certificate.	cordance	with such regulations as may be applicable, or for	
The undersigned owner(s) is(are) the owner of the entitled to protection under the provisions of Sec	is sexually reprod tion 42 of the Plan	luced or tuber propagated plant varie It Variety Protection Act	ety, and	believe(s) that the variety is new, dis	tinct, unifo	nm, and stable as required in Section 42, and is	
Owner(s) is (are) informed that false representati	ion herein can jeo	pardize protection and result in pena	alties.				
			SIGNA	TURE OF OWNER			
NAME (Plegs print or type)			NAME (Please print or type)				
Jess Wilson		Ì		· · · · · ·			
CAPACITY OR TIFLE	DATE		CAPAC	TY OR TITLE	DATE		
Vice President	1	21/2005		President		1/2005	

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL, of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filling fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvpindex.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/isg/seed.htm.

ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Canada: March 2005, variety trial; Mexico: April 2005, variety trial; USA: April 2004, adaptibility trial.

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

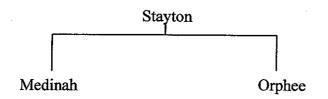
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.



Exhibit A Origin and Breeding History 'Stayton'



'Stayton' originated from a hand pollinated cross between Syngenta Seeds, Inc. varieties Medinah and Orphee.

Mass selection breeding method was applied in F2 to accumulate the traits of seedling vigor and stress tolerance. Selection by pedigree method for 2 or 3 sieve, medium dark green pods was applied in generations F3 through F5. The F6 generation was bulk harvested to supply a seed source for further increases. 'Stayton' has been uniform and genetically stable for four generations of increases from the original F6. No variants were observed.

Exhibit B Statement of Distinctness 'Stayton'

'Stayton' is a bush snap bean suitable for processing markets that most closely resembles the variety 'Medinah'. 'Stayton' differs statistically from 'Medinah' in the following traits.

- 1. 'Medinah' and 'Stayton' are significantly different in two-sieve pod length. 'Stayton' was 1.7 and 1.8 cm greater in pod length than 'Medinah' in Nampa, Idaho and Stanton, Minnesota, respectively. See Attachment B-1 a, thru f.
- 2. There was a significant difference in three-sieve pod length. 'Stayton' pod length was 2.1 cm longer than 'Medinah' in Nampa, Idaho, and 1.6 cm longer in Stanton, Minnesota. See Attacment B-2 a, thru f.

All reported values for two and three-sieve pod length are based on average measurements.

Two and three-sieve pod length data were collected from pods harvested in 2004 from each variety plot that consists of 100 plants in Nampa, Idaho and Stanton, Minnesota. Separate random samples from two and three-sieve lots were measured for pod length.

Exhibit B Statement of Distinctness 'Stayton'

Explanation of statistical analysis variables used in the following attachments

SV2PLMAID = Two-Sieve Pod Length (cm), Medinah, Idaho SV2PLSBID = Two-Sieve Pod Length (cm), Stayton, Idaho SV2PLMAMN = Two-Sieve Pod Length (cm), Medinah, Minnesota SV2PLSBMN = Two-Sieve Pod Length (cm), Stayton, Minnesota

SV2PLMAID = Three-Sieve Pod Length (cm), Medinah, Idaho SV2PLSBID = Three-Sieve Pod Length (cm), Stayton, Idaho SV2PLMAMN = Three-Sieve Pod Length (cm), Medinah, Minnesota SV4PLSBMN = Three-Sieve Pod Length (cm), Stayton, Minnesota

4/7/2005, 11:01:03 AM

Descriptive Statistics

Variable	N	Mean	SD	Minimum	Maximum
SV2PLMAID	20	11.615	0.6523	10.600	12.700
SV2PLSBID	20	13.300	1.0005	11.500	14.700

Attachment B-1a
Two-Sieve Pod Length (cm)
Descriptive Statistics
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 11:02:11 AM

One-Way AOV for: SV2PLMAID SV2PLSBID

DF SS Source MS Between 1 28.3922 28.3922 39.8 0.0000 38 27.1055 Within 0.7133 Total 39 55.4977

Grand Mean 12.457 CV 6.78

Chi-Sq DF P
Bartlett's Test of Equal Variances 3.29 1 0.0698
Cochran's Q 0.7017
Largest Var / Smallest Var 2.3524

Component of variance for between groups 1.38395 Effective cell size 20.0

Variable Mean
SV2PLMAID 11.615
SV2PLSBID 13.300
Observations per Mean 20
Standard Error of a Mean 0.1889
Std Error (Diff of 2 Means) 0.2671

Attachment B-1b
Two-Sieve Pod Length (cm)
AOV
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 11:02:32 AM

LSD All-Pairwise Comparisons Test

Variable Mean Homogeneous Groups SV2PLSBID 13.300 A SV2PLMAID 11.615 B

Alpha 0.05 Standard Error for Comparison 0.2671 Critical T Value 2.024 Critical Value for Comparison 0.5407 All 2 means are significantly different from one another.

Attachment B-1c
Two-Sieve Pod Length (cm)
Comparison of Means
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 10:57:35 AM

Descriptive Statistics

Variable	N	Mean	SD	Minimum	Maximum
SV2PLMAMN	20	11.435	0.9080	9.8000	13.100
SV2PLSBMN	20	13.210	1.0331	11.200	15.200

Attachment B-1d
Two-Sieve Pod Length (cm)
Descriptive Statistics
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

4/7/2005, 10:58:18 AM

One-Way AOV for: SV2PLMAMN SV2PLSBMN

Source DF SS MS F Between 31.5062 1 31.5062 33.3 0.0000 Within 38 35.9435 0.9459 Total 39 67.4497

Grand Mean 12.322 CV 7.89

Chi-Sq DF P
Bartlett's Test of Equal Variances 0.31 1 0.5793
Cochran's Q 0.5642
Largest Var / Smallest Var 1.2944

Component of variance for between groups 1.52802 Effective cell size 20.0

Variable Mean
SV2PLMAMN 11.435
SV2PLSBMN 13.210
Observations per Mean 20
Standard Error of a Mean 0.2175
Std Error (Diff of 2 Means) 0.3076

Attachment B-1e
Two-Sieve Pod Length (cm)
AOV
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

4/7/2005, 10:59:07 AM

LSD All-Pairwise Comparisons Test

Variable Mean Homogeneous Groups SV2PLSBMN 13.210 A SV2PLMAMN 11.435 B

Alpha 0.05 Standard Error for Comparison 0.3076 Critical T Value 2.024 Critical Value for Comparison 0.6226 All 2 means are significantly different from one another.

Attachment B-1f
Two-Sieve Pod Length (cm)
Comparison of Means
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

4/7/2005, 10:28:13 AM

Descriptive Statistics

Variable	N	Mean	SD	Minimum	Maximum
SV3PLMAID	20	12.460	0.6134	11.500	13.700
SV3PLSBID	20	14.530	0.8007	12.600	16.000

Attachment B-2a
Three-Sieve Pod Length (cm)
Descriptive Statistics
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 10:32:34 AM

One-Way AOV for: SV3PLMAID SV3PLSBID

Source DF SS MS 42.8490 0.0000 Between 1 42.8490 Within 38 19.3300 0.5087 Total 39 62.1790

Grand Mean 13.495 CV 5.29

Chi-Sq DF P
Bartlett's Test of Equal Variances 1.30 1 0.2542
Cochran's Q 0.6302
Largest Var / Smallest Var 1.7043

Component of variance for between groups 2.11702 Effective cell size 20.0

Variable Mean
SV3PLMAID 12.460
SV3PLSBID 14.530
Observations per Mean 20
Standard Error of a Mean 0.1595
Std Error (Diff of 2 Means) 0.2255

Attachment B-2b
Three-Sieve Pod Length (cm)
AOV
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 10:33:44 AM

LSD All-Pairwise Comparisons Test

Variable Mean Homogeneous Groups SV3PLSBID 14.530 A SV3PLMAID 12.460 B

Alpha 0.05 Standard Error for Comparison 0.2255 Critical T Value 2.024 Critical Value for Comparison 0.4566 All 2 means are significantly different from one another.

Attachment B-2c
Three-Sieve Pod Length (cm)
Comparison of Means
'Medinah' vs. 'Stayton'
Nampa, Idaho
2004

4/7/2005, 10:51:45 AM

Descriptive Statistics

Variable	N	Mean	SD	Minimum	Maximum
SV3PLMAMN	20	12.390	0.9657	9.8000	13.500
SV3PLSBMN	20	13.905	0.7564	12.300	15.700

Attachment B-2d
Three-Sieve Pod Length (cm)
Descriptive Statistics
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

4/7/2005, 10:18:37 AM

One-Way AOV for: SV3PLMAMN SV3PLSBMN

Source DF SS Between 1 22,9523 22.9523 30.5 0.0000 Within 38 28.5875 0.7523 Total 39 51.5398

Grand Mean 13.148 CV 6.60

Chi-Sq DF P
Bartlett's Test of Equal Variances 1.09 1 0.2956
Cochran's Q 0.6198
Largest Var / Smallest Var 1.6301

Component of variance for between groups 1.11000 Effective cell size 20.0

Variable Mean
SV3PLMAMN 12.390
SV3PLSBMN 13.905
Observations per Mean 20
Standard Error of a Mean 0.1939
Std Error (Diff of 2 Means) 0.2743

Attachment B-2e
Three-Sieve Pod Length (cm)
AOV
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

4/7/2005, 10:21:11 AM

LSD All-Pairwise Comparisons Test

Variable Mean Homogeneous Groups SV3PLSBMN 13.905 A SV3PLMAMN 12.390 B

Alpha 0.05 Standard Error for Comparison 0.2743 Critical T Value 2.024 Critical Value for Comparison 0.5553 All 2 means are significantly different from one another.

Attachment B-2f
Three-Sieve Pod Length (cm)
Comparison of Means
'Medinah' vs. 'Stayton'
Stanton, Minnesota
2004

REPRODUCE LOCALLY, Include form number and liefe on all reproductions.

Form Approved OMB NO 0881-0066

According to the Paperwork Reduction Act of 1995, an agency may not contact or aponsor, and a person is not required to respond to a collection of information unless it displays a valid CMB control number. The valid CMB control number to this information collection is of 1995, an agency may not contact or approved to complete this information collection is assumed to average 3 hours per response, including the time for evidening instructions, searching existing date sources, pethering and assistanting the date needed, and complete this information.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705 Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY

·	Garden Bean (<i>Phaseolus</i>	s vulgaris L.)			
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNA		NAME		
Syngenta Seeds, Inc		Staytor	1		
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Constry)	<u> </u>	্রভূরে হয়	SOUTH CON		
600 N. Armstrong Place		PVPO NUM			
Boise, ID 83704	•		0000051		
PLEASE READ ALL INSTRUCTIONS CAREFULLY					
Place the appropriate number that describes the varie when number is either 99 or less or 9 or less respective	tal character of this variety in the boxe	s below. Place a zero in the	first box (e.g., 0 9 9 or 0 9)		
when number is either 99 or less or 9 or less respective data should be determined from varieties centered in 1	iery. Dans for quantitative plant charactive same trial. Measured data should	be for SPACED PLANTS. F	Ranges should also be given. Royal		
Horticultural Society or any recognized color standard	may be used to determine plant colon	s; designate system used:			
Please answer all questions for your variety; lack of re	sponse may delay progress of your ap	optication.			
1. TYPE: 1 1 = Garden 2 = Flageolet 3 =	: Котало				
2. MARKET MATURITY:	,				
5 3 Days to Edible Pods	!	Comparison Varieties			
XXXXX Heat Units to Edible Pods	- 3	l = Tender crop	2 = Kentucky Wonder		
0 3 Number of Days Earlier Than		3 = Gold rush 5 = Gitana	4 = Slenderette 6 = Provider		
Same As	Comparison Variety	7 = Bush Blue Lake 290	Medinah		
0 1 Number of Days Later Than]]	3 = Other (Specify Below)			
3. PLANT:					
0 6 cm Spacing Between Plants in a Row					
1 Habit 1 = Determinate					
2 = Indeterminate, Erect 3 = Indeterminate with V	Neak and Prostrate Stem and Branche	:5			
4 = Indeterminate Climbing Habit with Weak, Long, and Twisted Stem and Branches					
47 cm Height	, <u>, , , , , , , , , , , , , , , , , , </u>	O. A	auties		
0 5 cm Shorter Than	st same height as				
	arison Variety	Use Comparison	Varieties from Section 2		
0 3 cm Taller Than 5					

200600005

				
3, PLA	NT: (continued)			
2 (cm Spread			Ls a
0 1	 a .	8) Not some widt	has comparison varie	7169
<u> </u>		Comparison Variety	Use Comparison Variet	ies from Section 2
(KX	Same Width As	Not wider than	Use Comparison Varieties	
	Gri valder i itali	2 = High 3 = Scattered	,	
빍	Bush Form (Illustrated Below			Although
. 🗀				
	1 = Spherical Bush Form	2 = Stem Bush Form	3 = Wide Bush Form	4 = High Bush Form
	5 = Other (Specify)			_
			<u> </u>	
4. LEA		2 = Glossy 3 = Indeterminate		
片	Surface: 1 = Dull Size: 1 = Small (Gil	0-1	e (Tender Crop)	
묽	*****	en (as Light or Lighter than Gold Rush)		
لسا	2 at Madium (xe 290)	1
		(1 = Absent 2 = Present)		
5. ANT	HOCYANIN PIGMENT:	Stems Pods	1 Seeds	
1	Leaves 1	Petioles Pedunde	Nodes	
·····	WER COLOR AND DAYS TO	BLOOM: Flower Color Choic	nac	
뭐	Color of Standard	1 = White 2 = Cr 3 = Pink 4 = Lil	eam	
	Color of Wings Color of Keel	5 = Purple 6 = Bl 7 = Other (Specify)	ue	
	Days to 50% Bloom			
للـا				
7. POI	OS (Edible Maturity):	1 = Light Green (as Light or Lighter than	n Provider)	
ت	Exterior Color: (Fresh)	2 = Medium Green 3 = Dark Green (as Dark or Darker than 4 = Yellow (Gold Rush) 5 = Green-red Variegated (Horticultural 6 = Other (Specify)	n Bush Blue Lake 290)	_
2	Processed Pods (Exterior Co	plor): 1 = Light (Tender Crop)	2 = Dark (Bush Blue Lake 290)	
	Dry Pod Color:	1 = Buckskin (Sprite)	2 = Green, Persistent Chlorophyll (Hystyle)	
				19

Thomas Ireland

PODS	. (continued):					4 — Figure	e Eight			
3	Cross Section Pod (Middle of the Pod	Shape: 1 = F	اها 2 = Ha د	eart (Pear)	3 = Round	4= Figur	- 20 ¥	060	005	K. Curadi
2	Crease Back: Pubescence: Constriction (Interk	1 = Present 1 = None (Sier	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	t 2 = Sparse 2 = Slight 3 = Deep	3 = Considerab	le (Provider di	r Sprite)			
1 3	mm Spur Len			2 = Sparse	3 = Considerab	le (Sprite)				
6 2 3 1	Number of Seeds Suture String: Seed Development Machine Harvest:	1 = Present t: 1 = Slow (Busi	2 = Absen h Blue Lake 290 2 = Not Ad) 2 = Medic	um 3.⇔F	ast (Provider))			
ercent	sieve size distributio	n at optimum ma	aturity for not-flat	l pods	<u> </u>	·			>10.72m	177
4.7	76 to 5.76mm	5.76 to 7.3	4mm 7	7.34 to 8.34mm	8.34 to 9.	53mm	9,53 to 10.	. 72 man		
	4	56	%	39 %	1	%		%		%
4 \$ 5 \$	% ieve ieve ieve	1 4 cm	Length Length Length Length	0 7	mm width mm width mm width	<u> </u>	0 8 T	otal mm Thic otal mm Thic otal mm Thic otal mm Thic	kness	
SEE	D COLOR: Seed Coat Luster: Seed Coat:	1 = Shiny 2 = 1 = Monochro			ble					
0 1	Primary Color:	1 = White 9 = Blue	2 = Yellow 10 = Black	3 = Buff 11 = Other	4 = Tan	5 = Brown	6 = Pink	7 = Red 	8 = Purple	
XXX	Secondary Cold	or:1 = While 9 = Blue	2 = Yellow 10 = Black	3 = Buff 11 = Other	4 = Tan	5 = Brown	6 ≠ Pink	7 = Red	8 = Purple	
	Seed Coat Patter	•	1 = Splashed	3 ≠ Mottled	4 = Striped	5 = Flecked	6 = Dotted			
0 1	Hilar Ring: Hilar Ring Colo	1 = Absent or 1 = White 9 = Blue	2 = Present 2 = Yellow 10 = Black	3 = Buff 11 = Other	4 = Tan	5 = Brown	6 = Pink	7 = Red	8 = Purple	
. SEE	D SHAPE AND SIZ	E:					_			
2	Hilum View:		->	C						
		1=	: Elliptical	2 = O	val	3:	= Round			
4	Cross Section:	1 = Elliptical	2 = Oval	3 = Cordate	4 = Round					
71)									Page 3 of 5

s. SEE	SHAPE AND SIZE: (confinued) Side View: 1 = Qval to Oblong	2 = Round	3 = Reniform	200600051
1 6 0 1	gm/100 Seeds gm/100 Seeds Lighter Than gm/100 Seeds Same As		looseeds as than compa	comparison varieties rison varieties
10. DIS	EASE RESISTANCE: 0 = Not Tested 1 = Suscep Anthracnose (Colletotrichum lindemuthianum) Race Alpha Race Detta	Race Epsilon	mediate 4 = Tolerant Race Gamma Race Lambda	
0	Race Kappa Bean Rust (Uromyces appendiculatus) Race 38 Race 45 Rece 51	Race 39 Race 46 Race 52 Specify Race	Race 40	Race 44 Race 50 Race 56
00000	Powdery Mildew (Ersiphe polygoni) Fusarium Root Rot (Fusarium solani f. sp. phase Pythium Root Rot (Pythium spp.) Aphanomyces Root Rot (Aphanomyces euteiche	eoli)		
00000	Rhizoctonia Root Rot (Phizoctonia solant) Pythium Blight or Aereal Pytium (Pythium ultimu Angular Leaf Spot (Isanopsis griseola) Bacterial Witt (Corynebacterium flaccumfaciens Bacterial Brown Spot (Pseudomonas syringa	subsp. flaccum/aciens)		
	Common Bacterial Blight (Xenthomonas campa: Halo Blight (Pseudómonas syringae pv. phaselic Race 1 Clover Yellow Vein Virus (CYVV)	stris pv. phaseoli)		
0	Bean Common Mosaic Virus (BCMV) BV1 NL4 Mexican Other (Specify) gene	NY15 NL8 Western	NL2 Florida Type	NL3 Idaho
0	Yetlow Bean Mosaic Virus (BYMV) Curty Top Virus (BCTV) Other (Specify Disease and Race or Strain		<u> </u>	

				Exhibit C (Gurden Been)
11. 18 0 0 0 0	Aphid Leathopper) # Not Tested 1 = Susce	phible 2 = Resistant 3 = Intermediate 4 = Tok Root Knot Nematode Seed Corn Maggot Thrips Weevils	200600051
12 PH	Heat Air Pollution	STANCE: 0 = Not Tested Cold Ozone	1 = Susceptible 2 = Resistant 3 = Intermediat Drought	e 4 = Tolerant

13. COMMENTS

REPRODUCE LOCALLY. Include form number and edit	ion date on all reproductions. F	ORM APPROVED - OMB No. 0581-0055			
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).				
STATEMENT OF THE BASIS OF OWNERSHIP	confidential until the certificate is issu	ed (7 U.S.C. 2426).			
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME			
Syngenta Seeds, Inc.	OR EXPERIMENTAL NUMBER	Stayton			
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)			
600 North Armstrong Place	208-465-8522	208-467-4559			
Boise, ID 83704	200 400-0022	200-407-4009			
	7. PVPO NUMBER				
	200600051				
8. Does the applicant own all rights to the variety? Mark an "X" in the	appropriate block. If no, please explai	in. YES NO			
9. Is the applicant (individual or company) a U.S. national or a U.S. ba	ased company? If no, give name of co	ountry. YES NO			
10. Is the applicant the original owner? YES	NO If no, please answer one o	of the following:			
a. If the original rights to variety were owned by individual(s), is (a	re) the original owner(s) a U.S. Nationa	l(s)?			
YES	NO If no, give name of country	1			
b. If the original rights to variety were owned by a company(ies), i	is (are) the original owner(s) a U.S. bas NO If no, give name of country				
11. Additional explanation on ownership (<i>Trace ownership from original</i> Garden Bean, Stayton, was bred and developed by plant breeders employees all rights to any invention, discovery or development Syngenta Seeds, with no rights retained by the employee	pioved by Syngenta Seeds, By agreem	ent between the employee and			
PLEASE NOTE:					
Plant variety protection can only be afforded to the owners (not licensed	es) who meet the following criteria:				
 If the rights to the variety are owned by the original breeder, that personational of a country which affords similar protection to nationals of the 	son must be a U.S. national, national of he U.S. for the same genus and species	a UPOV member country, or s.			
If the rights to the variety are owned by the company which employed nationals of a UPOV member country, or owned by nationals of a con- genus and species.	d the original breeder(s), the company r untry which affords similar protection to	nust be U.S. based, owned by nationals of the U.S. for the same			
3. If the applicant is an owner who is not the original owner, both the ori	ginal owner and the applicant must me	et one of the above criteria.			
The original breeder/owner may be the individual or company who direct act for definitions.					
Coording to the Pennyugal Deduction Ant of 400F					

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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orm Approved OMB NO 0581-0055

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Syngenta Seeds, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 600 North Armstrong Place	TEMPORARY OR EXPERIMENTAL DESIGNATION
	Boise, ID 83704	VARIETY NAME Stayton
NAME OF OWNER REPRESENTATIVE (S) Kim Briggs	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 6338 Highway 20-26 Nampa, ID 83687	PVPO NUMBER 200600 Q 51

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

Date

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